

Indefinite Integrals	Form A
Name _____	
Date _____ Period _____	
1. $\int (6t^2 - 4t + 3) dt$	
2. $\int x^5 dx$	
3. $\int (10w\sqrt{w}) dw$	

Indefinite Integrals	Form B
Name _____	
Date _____ Period _____	
1. $\int (9t^2 - 3t + 2) dt$	
2. $\int x^6 dx$	
3. $\int \sqrt{w} (2w - 3) dw$	

Find the particular solution to the differential equation.

Given: $f'(x) = 3x^2 - 5$ and $f(2) = 7$

Indefinite Integrals	Form C
Name _____	
Date _____ Period _____	
1. $\int (5t^2 + 2t - 1) dt$	
2. $\int x^8 dx$	
3. $\int \left(4\sqrt{w} + \frac{1}{\sqrt{w}} \right) dw$	

Indefinite Integrals	Form D
Name _____	
Date _____ Period _____	
1. $\int (4t^2 + 7t - 5) dt$	
2. $\int x^7 dx$	
3. $\int \frac{6w^2}{\sqrt{w}} dw$	

Find the particular solution to the differential equation.

Given: $f'(x) = 3x^2 + 4$ and $f(-1) = 1$